

Appendix table 4-12.

**Percentage of freshmen reporting need for remedial work in science or mathematics, by intended major and sex: 1977, 1989, 1997**

Intended major	1977		1989		1997	
	Science	Math	Science	Math	Science	Math
<b>Total</b>						
S&E majors .....	8.3	20.1	8.8	20.5	9.5	21.6
Physical science majors .....	5.0	12.1	6.2	12.2	6.9	12.0
Biological science majors .....	6.6	22.5	10.6	23.3	10.2	23.3
Social science majors .....	11.3	28.3	9.1	26.3	10.8	28.6
Engineering majors .....	6.9	13.3	8.5	13.3	8.4	14.4
Non-S&E majors .....	11.5	24.7	10.8	24.4	11.2	25.5
<b>Male</b>						
S&E majors .....	6.0	16.0	8.1	15.4	7.0	16.4
Physical science majors .....	3.3	9.3	4.4	9.3	5.8	9.4
Biological science majors .....	5.1	19.9	6.6	19.2	7.4	18.1
Social science majors .....	7.5	22.4	7.0	21.2	7.0	21.5
Engineering majors .....	6.3	13.3	7.4	12.7	7.2	13.8
Non-S&E majors .....	7.3	20.4	8.5	20.6	8.7	21.2
<b>Female</b>						
S&E majors .....	12.0	26.9	11.2	26.9	12.3	27.5
Physical science majors .....	9.9	20.0	9.6	17.6	8.7	16.1
Biological science majors .....	8.4	25.5	10.4	26.9	11.9	26.6
Social science majors .....	14.1	32.6	10.6	30.0	13.1	32.9
Engineering majors .....	12.5	12.6	13.5	16.2	13.3	16.9
Non-S&E majors .....	15.0	28.2	12.5	27.2	13.0	28.4

SOURCE: University of California at Los Angeles, Higher Education Research Institute, *Survey of the American Freshman: National Norms* (Los Angeles: 1998), unpublished tabulations.

See figure 4-8 in Volume 1.

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